Active Subwoofer

SW3700/17S

SW3800/00S

Service
Service
Service

Service Manual

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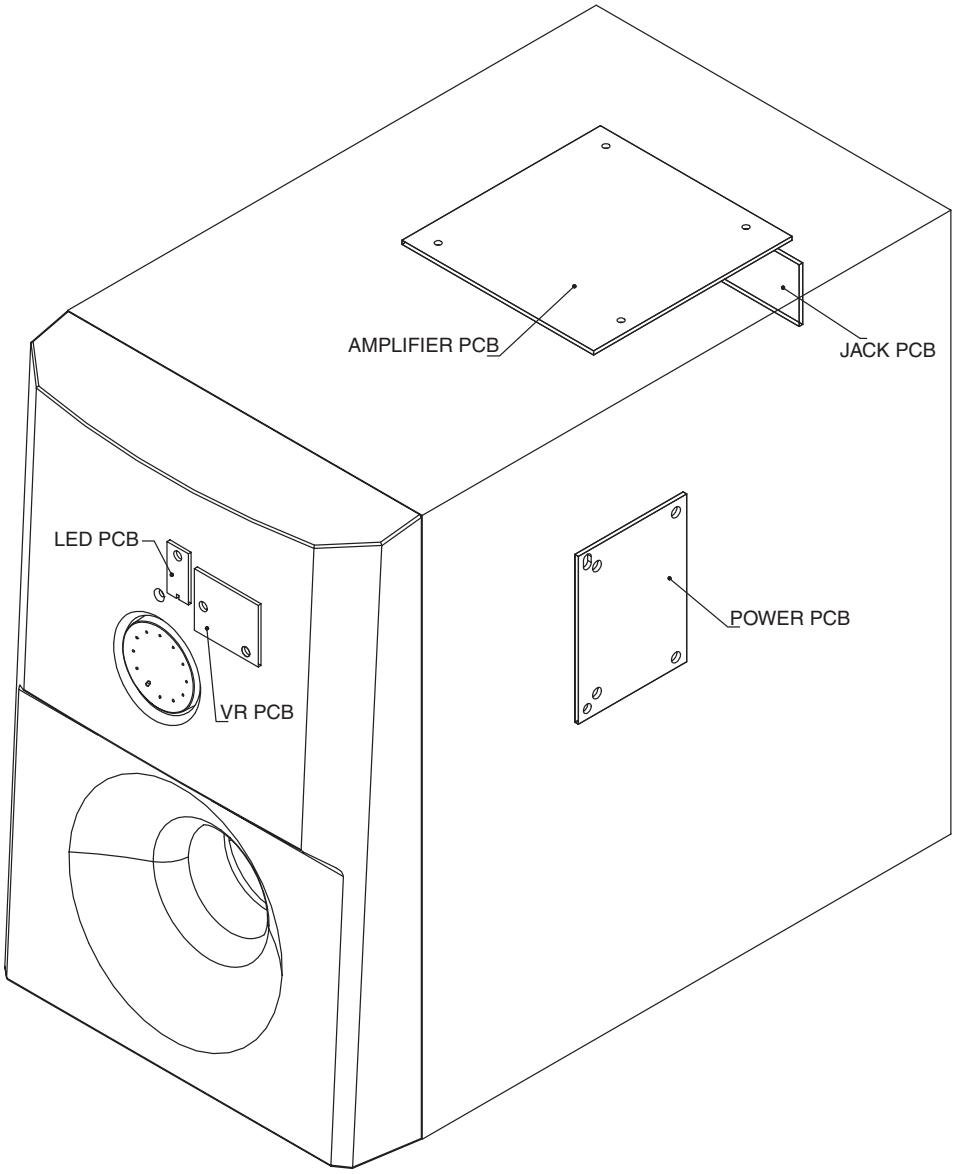
GB 3139 785 30068

Version 1.0

PHILIPS

LOCATION OF SW3700 PC BOARDS

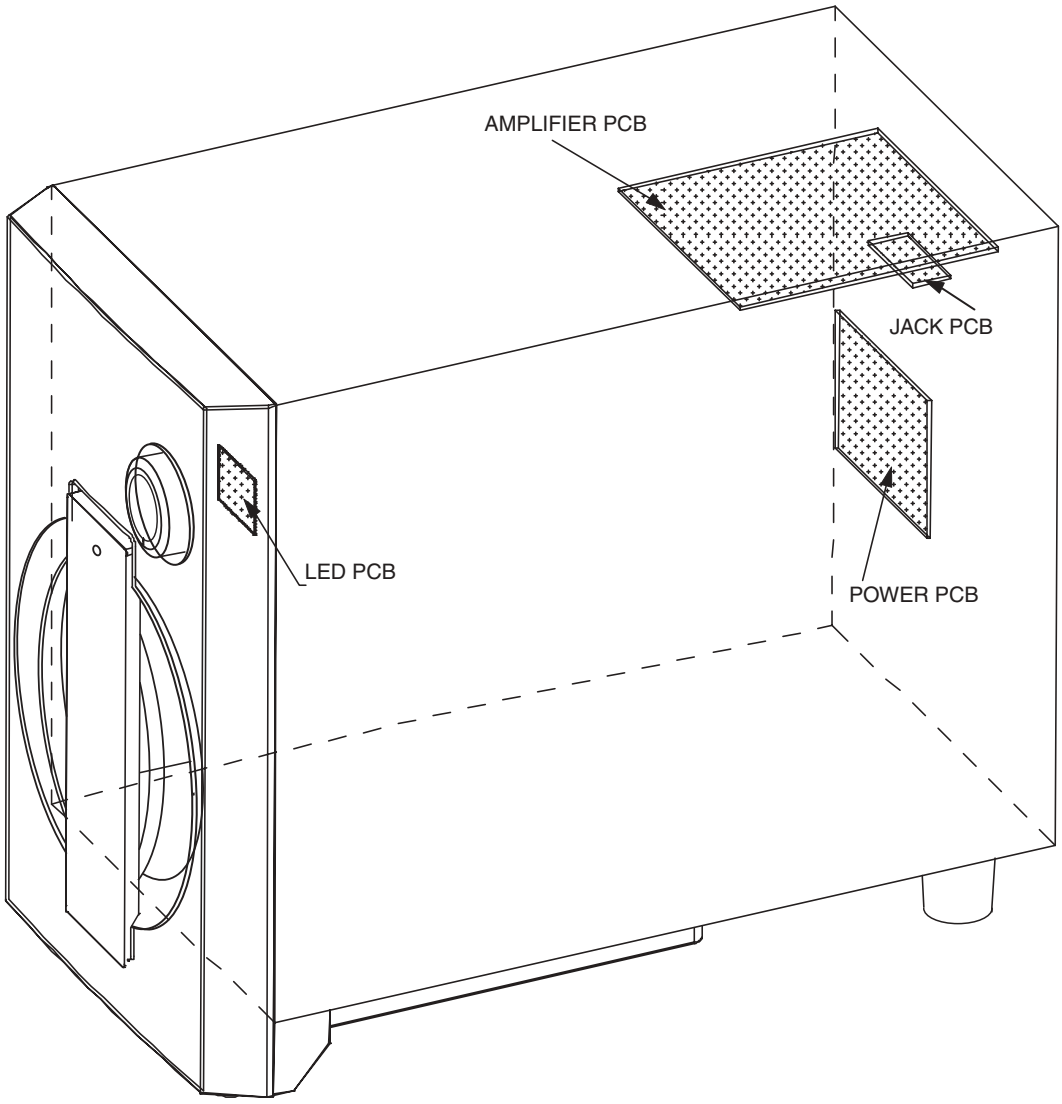


SPECIFICATIONS

SUBWOOFER

Subwoofer (not magnetically shielded design).....6.5"
Output Power.....50W (4Ω,DIN)
THD (Total Harmonic Distortion) .....10% at 55 Hz
Reproduction Frequency Response.....40 Hz-150 Hz
Phase Switch.....0^0,180^0
Input Sensitivity (Subwoofer In).....500 mVrms
AC Power .....120V / 60 Hz
power Consumption.....32 W (at 1/8 Rated Power)
Dimensions (w x h x d).....200 mm x 310mm x 350 mm
Weight.....6.8 Kg

LOCATION OF SW3800 PC BOARDS

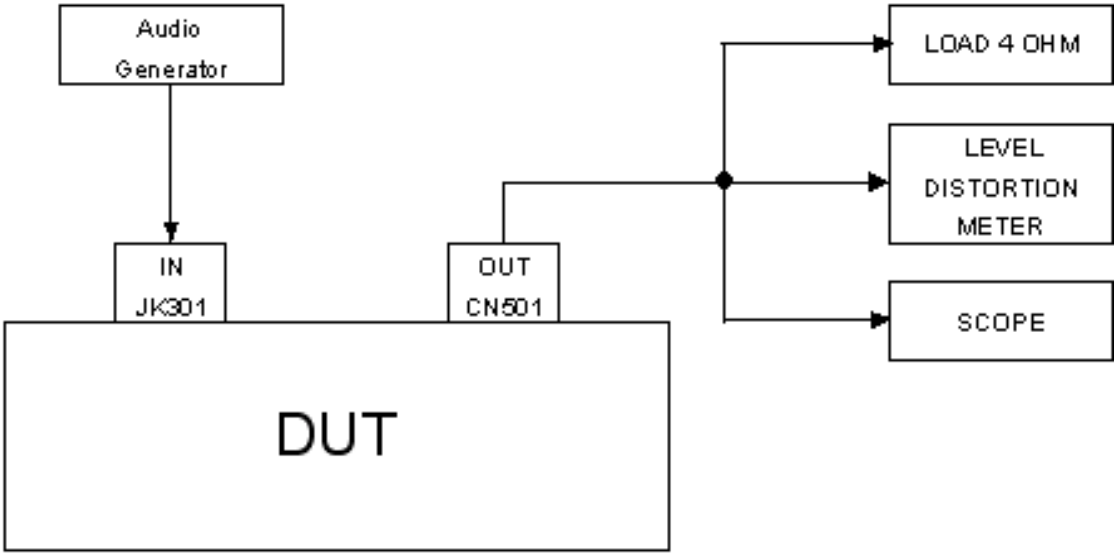


SPECIFICATIONS

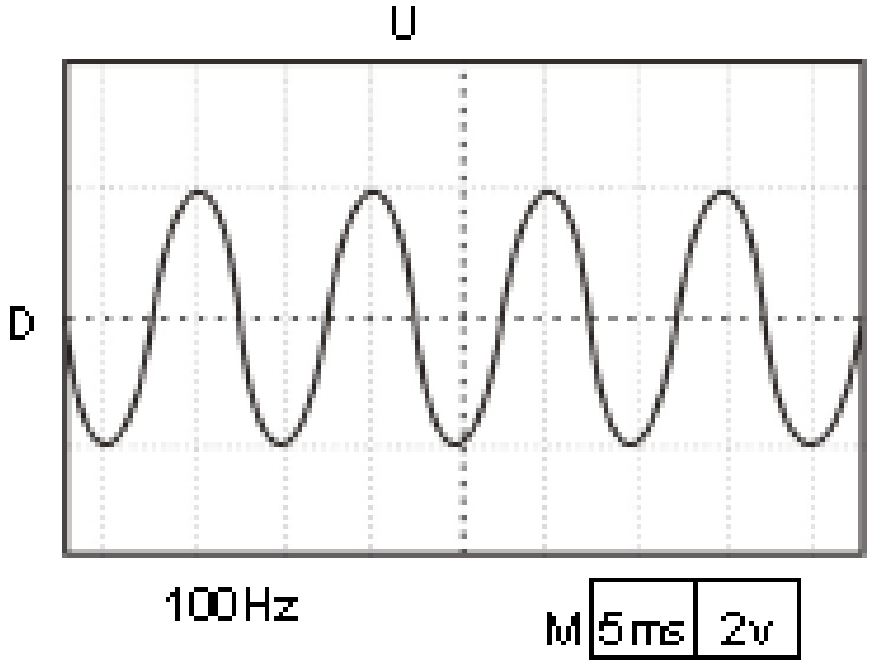
SUBWOOFER

Subwoofer (not magnetically shielded design).....6.5"
Output Power.....1000W (4Ω,DIN)
THD (Total Harmonic Distortion) .....10% at 55 Hz
Reproduction Frequency Response.....30 Hz-140 Hz
Phase Switch.....0^0,180^0
Input Sensitivity (Subwoofer In).....200 mVrms
AC Power .....220 - 240V / 50 Hz
power Consumption.....66 W (at 1/8 Rated Power)
Dimensions (w x h x d).....200 mm x 310mm x 350 mm
Weight.....6.8 Kg

MEASUREMENT SETUP



Audio Test Signal



ESD & SAFETY INSTRUCTION

GB **WARNING**

All ICs and many other semi-conductors are susceptible to electrostatic discharges (ESD). Careless handling during repair can reduce life drastically.
When repairing, make sure that you are connected with the same potential as the mass of the set via a wrist wrap with resistance.
Keep components and tools also at this potential.

ESD

NL **WAARSCHUWING**

Alle IC's en vele andere halfgeleiders zijn gevoelig voor electrostatische ontladingen (ESD).
Onzorgvuldig behandelen tijdens reparatie kan de levensduur drastisch doen verminderen.
Zorg ervoor dat u tijdens reparatie via een polsband met weerstand verbonden bent met hetzelfde potentiaal als de massa van het apparaat.
Houd componenten en hulpmiddelen ook op ditzelfde potentiaal.

F **ATTENTION**

Tous les IC et beaucoup d'autres semi-conducteurs sont sensibles aux décharges statiques (ESD).
Leur longévité pourrait être considérablement écourtée par le fait qu'aucune précaution n'est prise à leur manipulation.
Lors de réparations, s'assurer de bien être relié au même potentiel que la masse de l'appareil et enfiler le bracelet serti d'une résistance de sécurité.
Veiller à ce que les composants ainsi que les outils que l'on utilise soient également à ce potentiel.

D **WARNUNG**

Alle ICs und viele andere Halbleiter sind empfindlich gegenüber elektrostatischen Entladungen (ESD).
Unsorgfältige Behandlung im Reparaturfall kan die Lebensdauer drastisch reduzieren.
Veranlassen Sie, dass Sie im Reparaturfall über ein Pulsarmband mit Widerstand verbunden sind mit dem gleichen Potential wie die Masse des Gerätes.
Bauteile und Hilfsmittel auch auf dieses gleiche Potential halten.

I **AVVERTIMENTO**

Tutti IC e parecchi semi-conduttori sono sensibili alle scariche statiche (ESD).
La loro longevità potrebbe essere fortemente ridatta in caso di non osservazione della più grande cauzione alla loro manipolazione.
Durante le riparazioni occorre quindi essere collegato allo stesso potenziale che quello della massa dell'apparecchio tramite un braccialetto a resistenza.
Assicurarsi che i componenti e anche gli utensili con quali si lavora siano anche a questo potenziale.

GB

Safety regulations require that the set be restored to its original condition and that parts which are identical with those specified, be used.

NL

Veiligheidsbepalingen vereisen, dat het apparaat bij reparatie in zijn oorspronkelijke toestand wordt teruggebracht en dat onderdelen, identiek aan de gespecificeerde, worden toegepast.

F

Les normes de sécurité exigent que l'appareil soit remis à l'état d'origine et que soient utiliséés les piéces de rechange identiques à celles spécifiées.

D

Bei jeder Reparatur sind die geltenden Sicherheitsvorschriften zu beachten. Der Original zustand des Geräts darf nicht verändert werden; für Reparaturen sind Original-Ersatzteile zu verwenden.

I

Le norme di sicurezza esigono che l'apparecchio venga rimesso nelle condizioni originali e che siano utilizzati i pezzi di ricambio identici a quelli specificati.

"After servicing and before returning set to customer perform a leakage current measurement test from all exposed metal parts to earth ground to assure no shock hazard exist. The leakage current must not exceed 0.5mA."

"Pour votre sécurité, ces documents doivent être utilisés par des spécialistes agréés, seuls habilités à réparer votre appareil en panne".

DISASSEMBLY INSTRUCTIONS

Dismantling the Grill Base & Speaker Driver

1. Place the Subwoofer Box as shown in the Picture 1

For SW3700 :

a) Use a screw driver to force open the Grill Base.

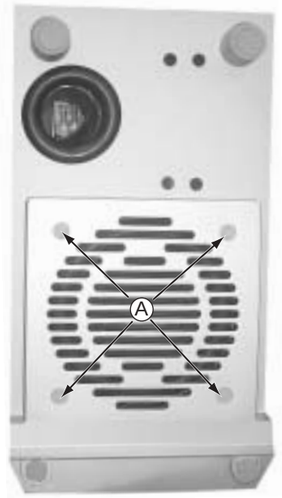
Caution: Take care the surface when take out the Grill Base of Subwoofer.

For SW3800 :

a) Peel off the 4 pads "A"

b) Loosen 4 screws at the same place to remove the grille base.

SW3700



SW3800

Picture 1

2. Place the Subwoofer Box as shown in the Picture 2 and loosen 4 screws "B" to remove the Speaker Driver.

SW3700

SW3800

Picture 2

Dismantling the Front Assembly

1. Place the Subwoofer Box as shown in the Picture 3 (Bottom view) and use a screw driver to force open the front assembly.

Caution: Do not break the bundle of wires to the front. Take care the surface when take out the front panel of subwoofer

SW3700

SW3800

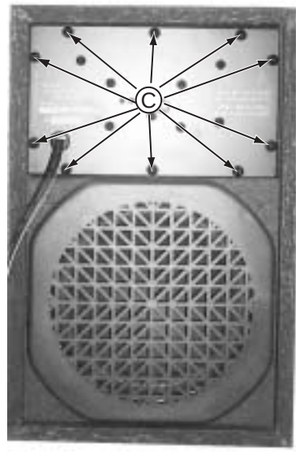
WARNING: ONLY THE LED & VR PCBS ARE BETWEEN FRONT PANEL AND WOOD BOX. UNLESS NECCESSARY, DON'T TRY TO OPEN THE FRONT PANEL!!!

Picture 3

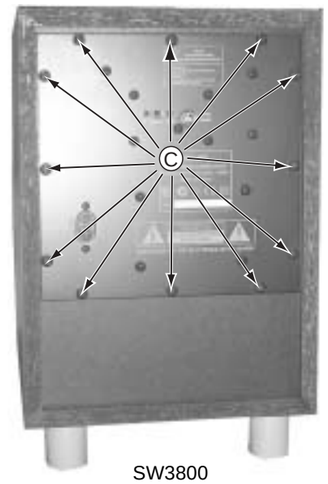
Dismantling the Rear assembly

1. Loosen 10 screws for SW3700 or 12 screws for SW3800 at "C" as shown in the Picture 4 (Rear View) to pull out the Printed Circuit Board assembly.

Caution: Do not break the bundle of wires to the front.



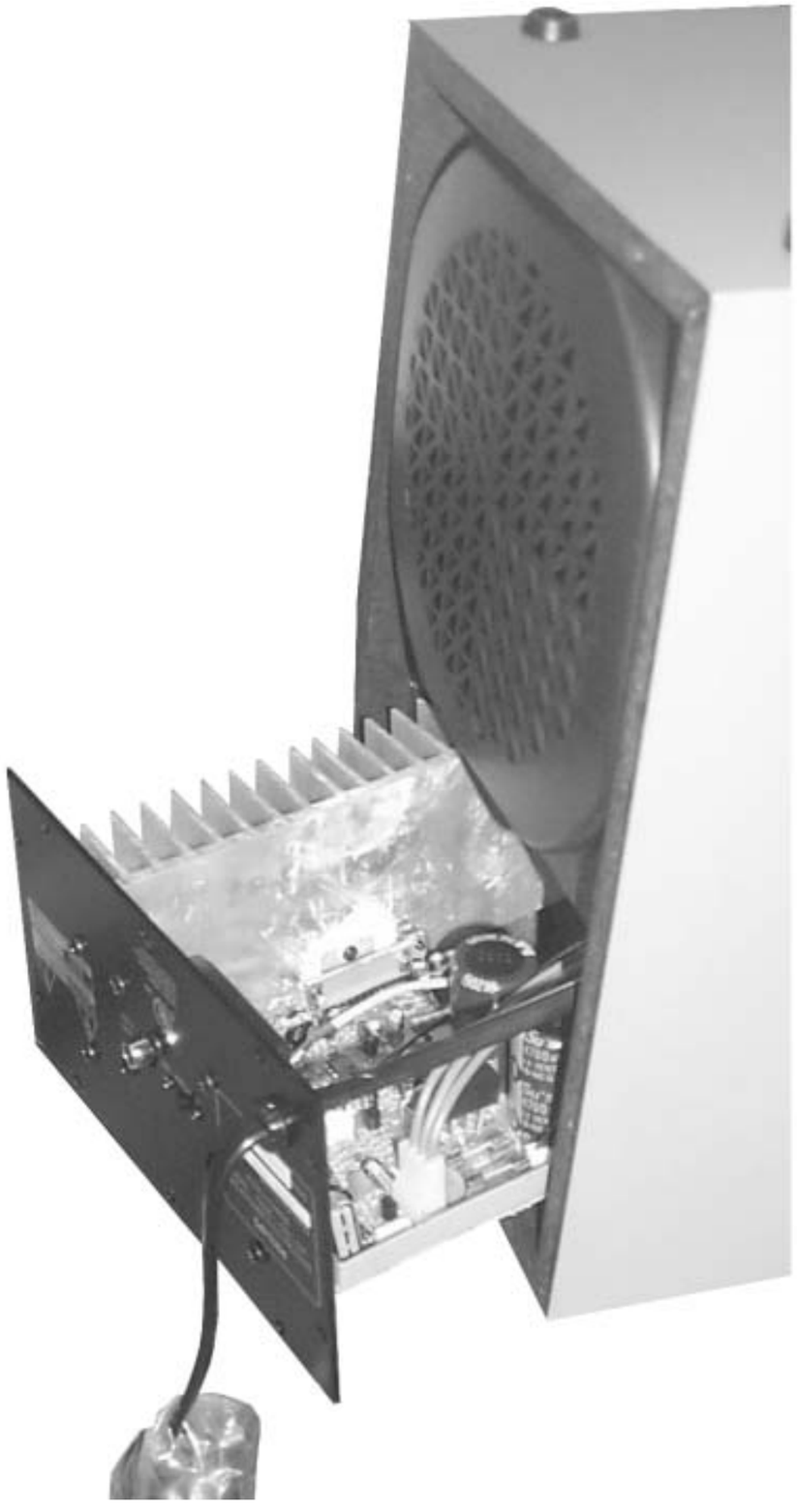
SW3700



SW3800

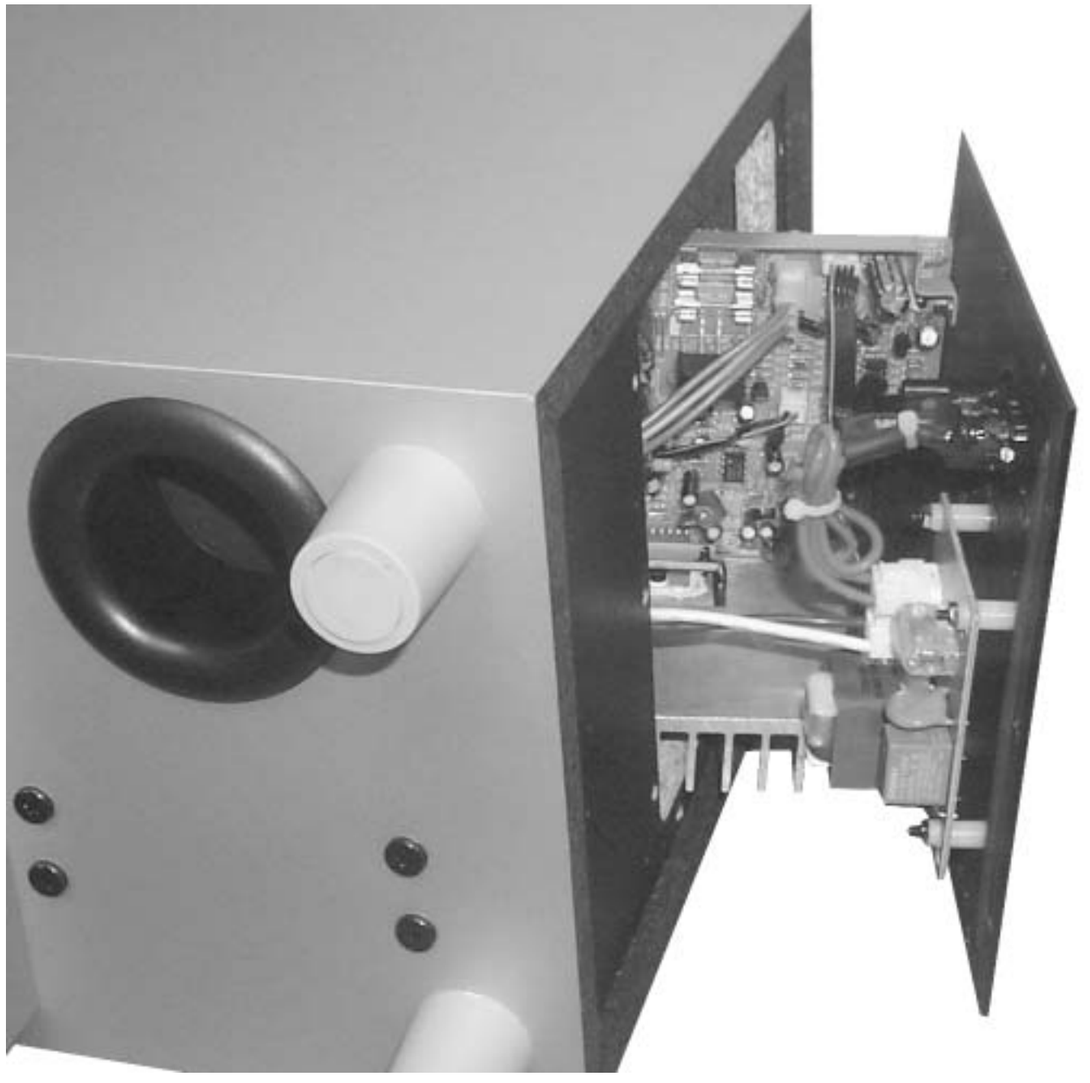
Picture 4

SERVICE POSITION FOR SW3700



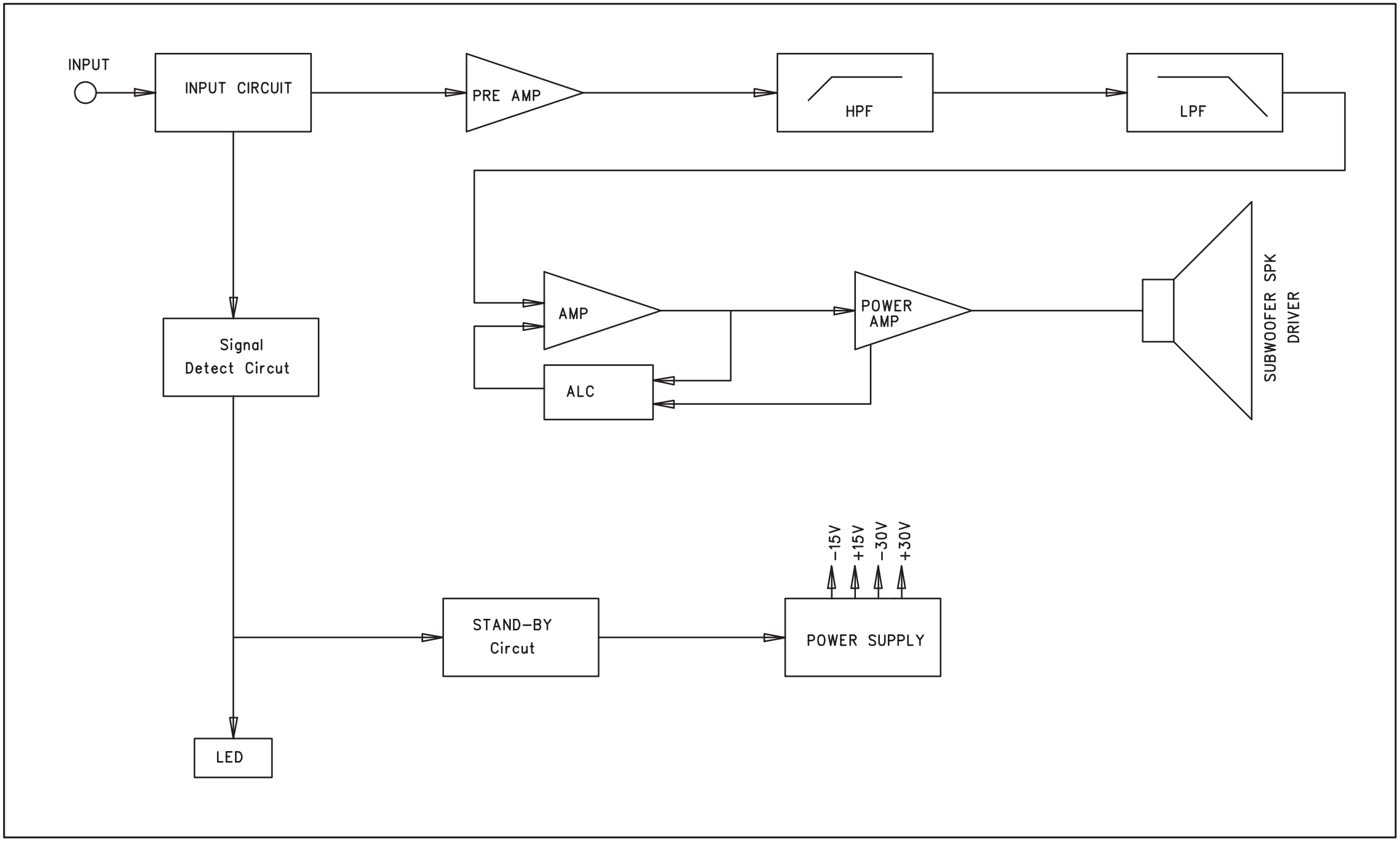
2-2

SERVICE POSITION FOR SW3800



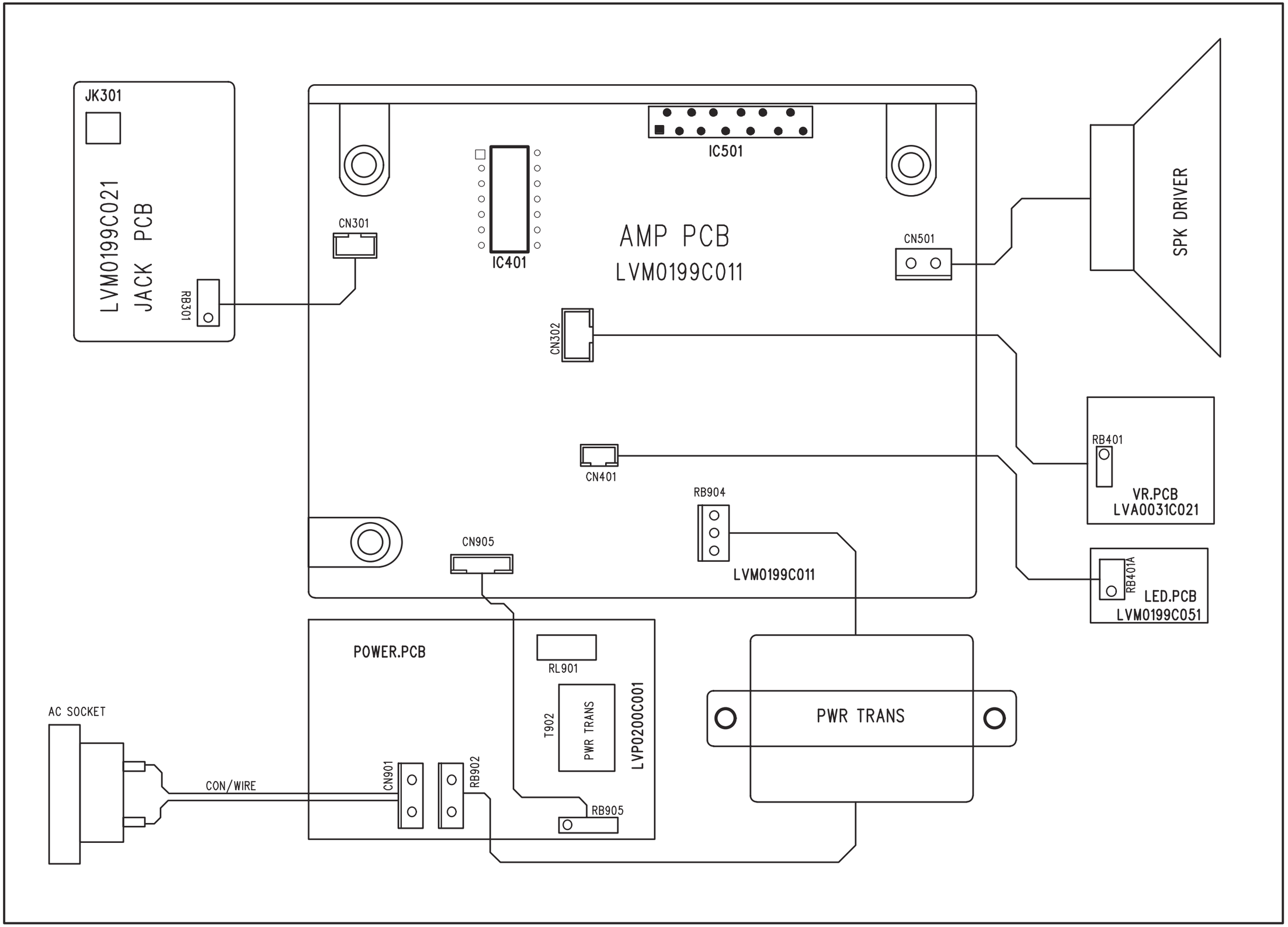
3-1

BLOCK DIAGRAM



3-2

WIRING DIAGRAM



AMPLIFIER / JACK / LED BOARD

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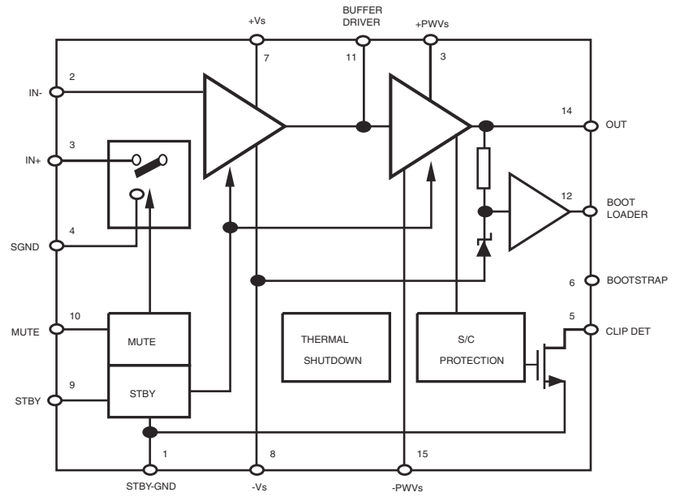
TDA7293 INTERNAL DIAGRAM



VOLTAGES

IC501 (TDA7293)

PIN NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
VOLTAGE	0V	0V	0V	0V	0.3V	13.8V	29.7V	-29.7V	15.5V	13.2V	0.6V	0V	29.7V	0V	-29.6V

IC401 (LM324N)

PIN NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	
VOLTAGE	0V	0V	0V	15.1V	0.4V	3V	-15.2V	0V	0V	0V	-14.9V	0V	0V	0V	

IC301 (4558D)

PIN NO.	1	2	3	4	5	6	7	8
VOLTAGE	1.4V	4.9V	1V	0V	4.4V	4.9V	3.9V	8.8V

IC502 (4558D)

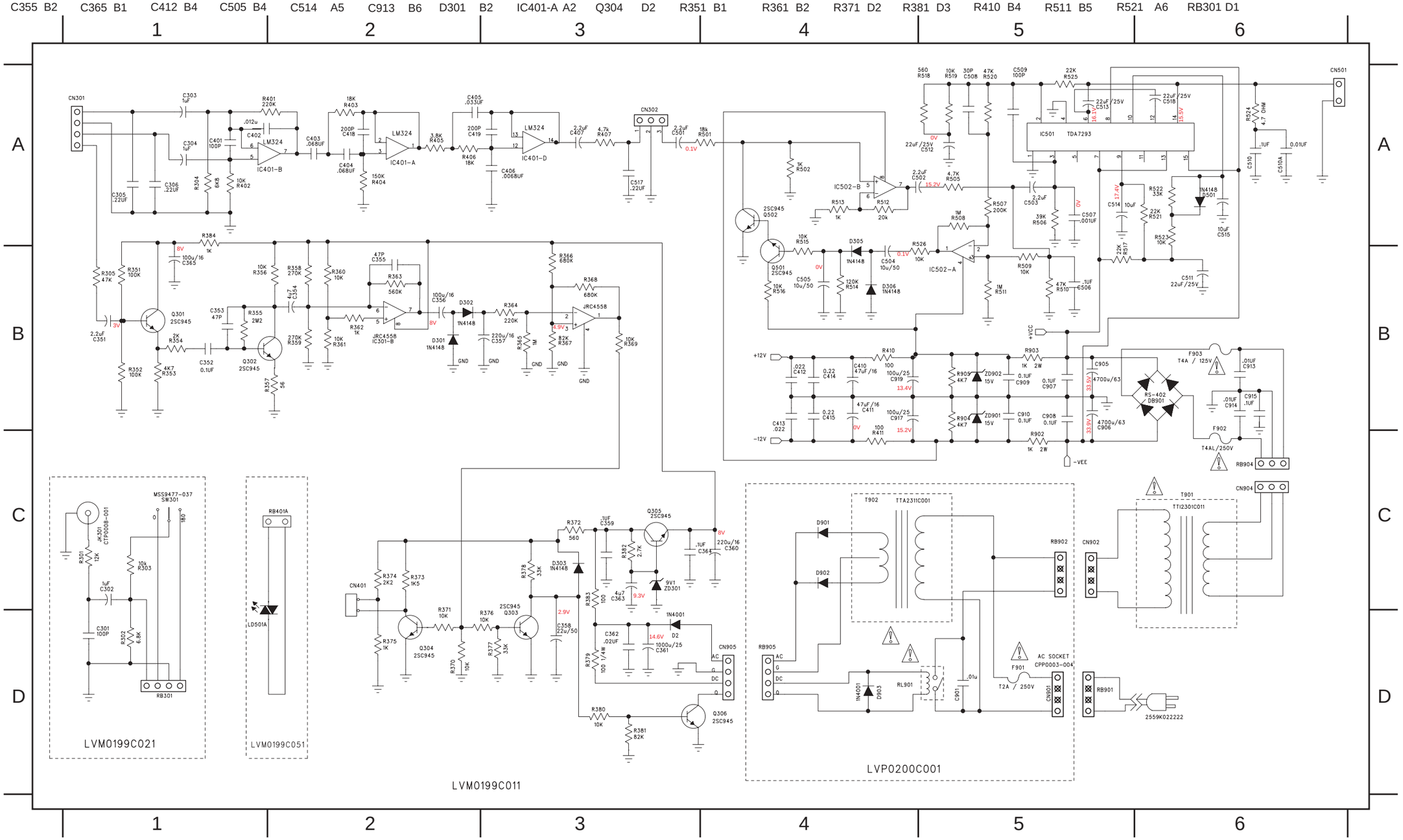
PIN NO.	1	2	3	4	5	6	7	8
VOLTAGE	0V	0V	0V	-15V	0V	0V	0V	15.2V

Location \ Pin	B	C	E
Q301	0V	0V	0V
Q302	0V	0V	0V
Q303	0V	0V	0V
Q304	0.6V	0.7V	0V
Q305	0V	0V	0V
Q306	0V	0.4V	0V
Q501	0V	15.3V	0V
Q502	0V	0V	0V
Q506	0V	0V	0V

4-2

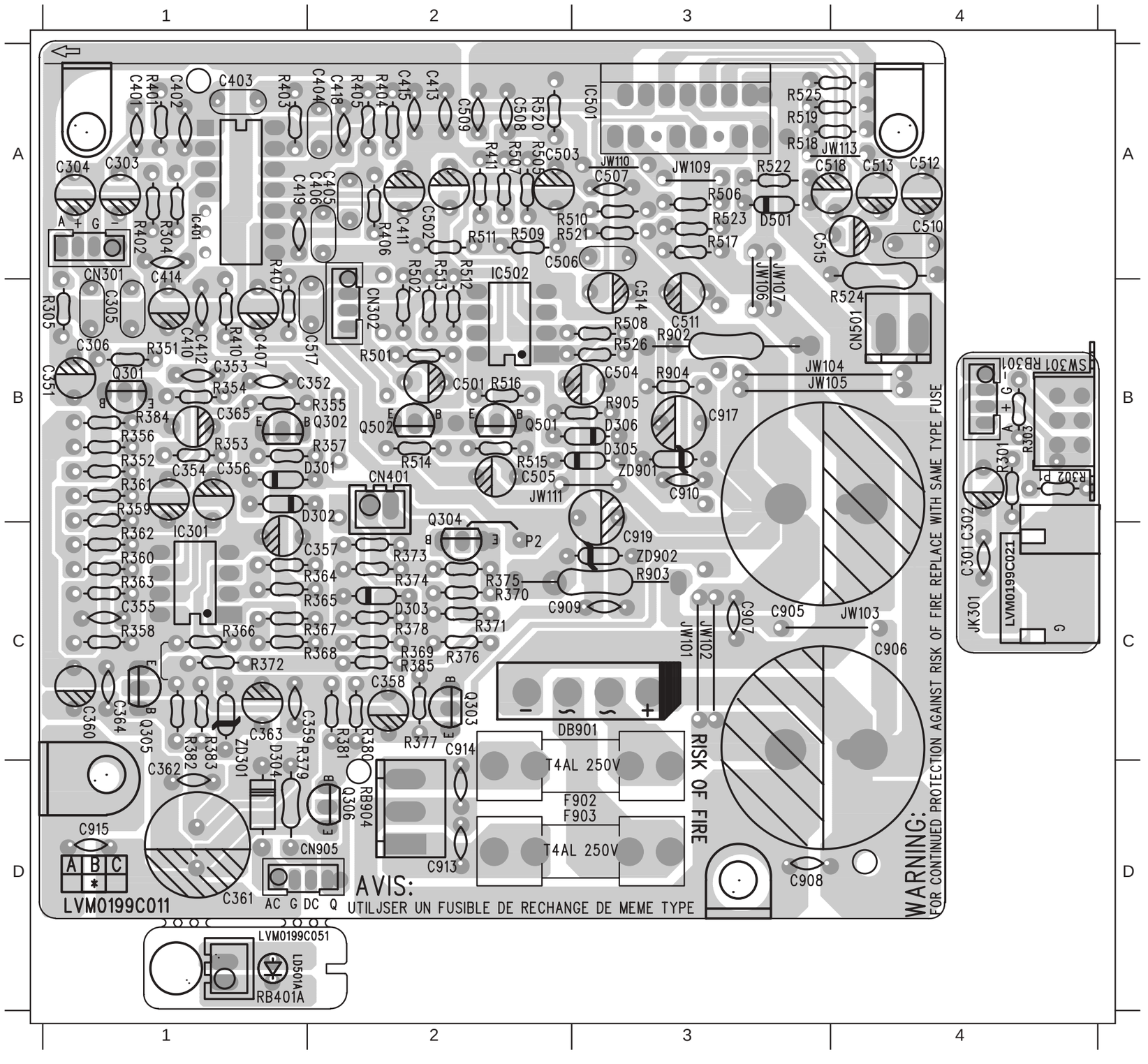
CIRCUIT DIAGRAM

C301 D1 C302 C1 C303 A1 C304 A1 C305 A1 C306 A1 C354 B2 C351 B1 C353 B1 C355 B2
C356 B2 C358 D3 C357 B3 C359 C3 C360 C4 C361 D3 C362 D3 C363 C3 C364 C4 C365 B1
C401 A1 C402 A1 C403 A2 C404 A2 C405 A2 C406 B3 C407 B3 C410 B4 C411 B4 C412 B4
C413 B4 C414 B4 C415 B4 C418 A2 C419 A2 C501 B3 C502 A4 C503 A5 C504 B4 C505 B4
C506 B5 C507 A5 C508 A5 C509 A5 C510 A6 C510A A6 C511 B6 C512 A5 C513 A5 C514 A5
C515 A6 C517 B3 C518 A6 C905 B5 C906 B5 C907 B5 C908 B5 C909 B5 C910 B5 C913 B6
C914 B6 C915 B6 C917 B4 C919 B4 CN301 A1 CN302 B3 CN401 C2 CN501 A6 CN905 D4
D302 B2 D303 C3 D305 A4 D306 B4 D501 A6 DB901 B6 F902 C6 F903 B6 IC301-B B2
IC401-A A2 IC401-B A1 IC401-D B3 IC501 A5 IC502-A B5 JK301 C1 LD501 D2 Q301 B1
Q302 B1 Q303 D3 Q304 D2 Q305 C3 Q306 D4 Q501 B4 Q502 A4 R301 C1 R302 C1 R303 C1
R304 A1 R305 B1 R351 B1 R352 B1 R353 B1 R354 B1 R355 B1 R356 B1 R357 B2 R358 B2
R359 B2 R360 B2 R361 B2 R362 B2 R363 B2 R364 B3 R365 B3 R366 B3 R367 B3 R368 B3
R369 B3 R370 D2 R371 D2 R372 C3 R373 C2 R374 C2 R375 D2 R376 D3 R377 D3 R378 C3
R379 D3 R380 D3 R381 D3 R382 C3 R383 C3 R384 A1 R401 A1 R402 A1 R403 A2 R404 A2
R405 A2 R406 A2 R410 B4 R411 C4 R502 A4 R505 A5 R506 A5 R507 A5 R508 A5 R509 B5
R510 B5 R511 B5 R512 A4 R513 A4 R514 B4 R515 A4 R516 B4 R517 A5 R518 A5 R519 A5
R520 A5 R521 A6 R522 A6 R523 A6 R524 A6 R526 B4 R902 C5 R903 B5 R904 B5 R905 B5
RB301 D1 RB401 C2 RB904 C6 SW301 C1 TDA7293 B3 TTA2311C001 C3 TTI2301C011 C3
ZD301 C3 ZD901 B5 ZD902 B5



4-3

PCB LAYOUT VIEW



C301	C4	CN401	B2	R373	C2
C302	B4	CN501	B4	R374	C2
C303	A1	CN511	D3	R375	C2
C304	A1	CN905	D2	R376	C2
C305	B1	D301	B1	R377	C2
C306	B1	D302	B1	R378	C2
C351	B1	D303	C2	R379	D1
C352	B1	D304	D1	R380	C2
C353	B1	D305	B3	R381	C2
C354	B1	D306	B3	R382	C1
C355	C1	D501	A3	R383	C1
C356	B1	DB901	C3	R384	B1
C357	C1	F902	D3	R385	C2
C358	C2	F903	D3	R401	A1
C359	C1	IC301	C1	R402	A1
C360	C1	IC401	A1	R403	A1
C361	D1	IC501	A3	R404	A2
C362	D1	IC502	B2	R405	A2
C363	C1	JK301	C4	R406	A2
C364	C1	JW101	C3	R407	B1
C365	B1	JW102	C3	R410	B1
C401	A1	JW103	C4	R411	A2
C402	A1	JW104	B3	R501	B2
C403	A1	JW105	B3	R502	B2
C404	A2	JW106	B3	R505	A2
C405	A2	JW107	B3	R506	A3
C406	A2	JW109	A3	R507	A2
C407	B1	JW110	A3	R508	B3
C410	B1	JW111	B3	R509	A2
C411	A2	JW113	A4	R510	A3
C412	B1	JW114	C3	R511	A2
C413	A2	LD501A	D1	R512	B2
C414	A1	Q301	B1	R513	B2
C415	A2	Q302	B1	R514	B2
C418	A2	Q303	C2	R515	B2
C419	A1	Q304	C2	R516	B2
C501	B2	Q305	C1	R517	A3
C502	A2	Q306	D2	R518	A4
C503	A2	Q501	B2	R519	A4
C504	B3	Q502	B2	R520	A2
C505	B2	R301	B4	R521	A3
C506	A3	R302	B4	R522	A3
C507	A3	R303	B4	R523	A3
C508	A2	R304	A1	R524	B4
C509	A2	R305	B1	R525	A4
C510	A4	R351	B1	R526	B3
C511	B3	R352	B1	R902	B3
C512	A4	R353	B1	R903	C3
C513	A4	R354	B1	R904	B3
C514	B3	R355	B1	R905	B3
C515	A4	R356	B1	RB301	B4
C517	B2	R357	B1	RB401	D2
C518	A4	R358	C1	RB401A	D1
C905	C3	R359	B1	RB904	D2
C906	C4	R360	C1	SW301	B4
C907	C3	R361	B1	ZD301	C1
C908	D3	R362	C1	ZD901	B3
C909	C3	R363	C1	ZD902	C3
C910	B3	R364	C1		
C913	D2	R365	C1		
C914	C2	R366	C1		
C915	D1	R367	C1		
C917	B3	R368	C1		
C919	C3	R369	C2		
CN301	A1	R371	C2		
CN302	B2	R372	C1		

4-4

ELECTRICAL PARTS LIST - AMPLIFIER, JACK AND LED BOARD

ELECTRICAL PARTS LIST - AMPLIFIER, JACK AND LED BOARD

MISCELLANEOUS

F902	4822 070 34002	⚠ FUSE T4A 250V SLOW	/00S
F902	9965 000 14288	⚠ FUSE T4A 250V SLOW	/17S
F903	4822 070 34002	⚠ FUSE T4A 250V SLOW	/00S
F903	9965 000 14288	⚠ FUSE T4A 250V SLOW	/17S
JK301	4822 267 41238	JACK 1T GREEN	
SW301	4822 277 11821	SLIDE SWITCH	

CAPACITORS

C301	4822 122 33293	100pF 5% 50V
C302	4822 124 21913	1uF 20% 63V
C303	4822 124 21913	1uF 20% 63V
C304	4822 124 21913	1uF 20% 63V
C305	9965 000 08287	0,22uF 100V 5%
C306	9965 000 08287	0,22uF 100V 5%
C351	4822 124 22652	2,2uF 20% 50V
C352	2038 554 00065	100nF +80/-20% Y5V 50V
C353	9965 000 12614	47pF 50V 5%
C354	9965 000 12522	4,7uF 50V 20%
C355	9965 000 12614	47pF 50V 5%
C356	9965 000 12559	100uF 16V 20%
C357	9965 000 12558	220uF 16V 20%
C358	9965 000 14298	22uF 50V 20%
C359	2038 554 00065	100nF +80/-20% Y5V 50V
C360	9965 000 12558	220uF 16V 20%
C361	9965 000 12530	1000uF 25V 20% D=10
C362	9965 000 14299	0,02uF 50V + 80-20%
C363	9965 000 12522	4,7uF 50V 20%
C364	2038 554 00065	100nF +80/-20% Y5V 50V
C365	4822 124 23056	47uF 20% 16V
C401	4822 122 33293	100pF 5% 50V
C402	4822 121 41935	12nF 5% 250V
C403	5322 121 42662	68nF 5% 250V
C404	5322 121 42662	68nF 5% 250V
C405	5322 121 42489	33nF 5% 250V
C406	4822 121 42077	6,8nF 10% 400V
C407	4822 124 21913	1uF 20% 63V
C410	4822 124 23056	47uF 20% 16V
C411	4822 124 23056	47uF 20% 16V
C412	4822 122 30103	22nF 80% 63V
C413	4822 122 30103	22nF 80% 63V
C414	9965 000 12613	0,22uF 50V +80-20%
C415	9965 000 12613	0,22uF 50V +80-20%
C418	9965 000 14300	200pF 50V 10%
C419	9965 000 14300	200pF 50V 10%
C501	4822 124 22652	2,2uF 20% 50V
C502	4822 124 22652	2,2uF 20% 50V
C503	4822 124 22652	2,2uF 20% 50V
C504	4822 124 40248	10uF 20% 63V
C505	4822 124 40248	10uF 20% 63V
C506	5322 121 42578	100nF 5% 250V
C507	9965 000 14301	0,001uF 100V 5%
C508	9965 000 14302	30pF 50V 5%
C509	4822 122 33293	100pF 5% 50V
C510	5322 121 42578	100nF 5% 250V
C511	5322 124 41945	22uF 20% 35V
C512	5322 124 41945	22uF 20% 35V
C513	5322 124 41945	22uF 20% 35V
C514	4822 124 40248	10uF 20% 63V
C515	4822 124 40248	10uF 20% 63V
C517	9965 000 08287	0,22uF 100V 5%
C518	5322 124 41945	22uF 20% 35V
C905	9965 000 14303	4700uF 63V 20%
C906	9965 000 14303	4700uF 63V 20%
C907	2038 554 00065	100nF +80/-20% Y5V 50V
C908	2038 554 00065	100nF +80/-20% Y5V 50V
C909	2038 554 00065	100nF +80/-20% Y5V 50V
C910	2038 554 00065	100nF +80/-20% Y5V 50V
C913	9965 000 11041	0,01uF 500V 20%
C914	9965 000 11041	0,01uF 500V 20%
C915	2038 554 00065	100nF +80/-20% Y5V 50V
C917	4822 124 40207	100uF 20% 25V
C919	4822 124 40207	100uF 20% 25V

RESISTORS

R301	9965 000 12516	12K 1/6W 5% CF
R302	9965 000 12520	6,8K 1/6W 5% CF
R303	4822 050 21003	10K 1% 0,6W
R304	9965 000 12520	6,8K 1/6W 5% CF
R305	4822 050 24703	47K 1% 0,6W
R351	4822 050 21004	100K 1% 0,6W
R352	4822 050 21004	100K 1% 0,6W
R353	9965 000 09725	4,7K 1/6W 5% CF
R354	9965 000 12621	2K 1/6W 5%
R355	9965 000 12622	2,2M 1/6W 5%
R356	4822 050 21003	10K 1% 0,6W
R357	9965 000 14306	56R 1/6W 5% CF
R358	9965 000 12624	270K 1/6W 5%
R359	9965 000 12624	270K 1/6W 5%
R360	4822 050 21003	10K 1% 0,6W
R361	4822 050 21003	10K 1% 0,6W
R362	9965 000 12519	1K 1/6W 5% CF
R363	9965 000 12625	560K 1/6W 5%
R364	9965 000 08284	220K 1/6W 5% CF
R365	9965 000 12626	1M 1/6W 5%
R366	9965 000 12627	680K 1/6W 5%
R367	9965 000 12628	82K 1/6W 5%
R368	9965 000 12627	680K 1/6W 5%
R369	4822 050 21003	10K 1% 0,6W
R370	4822 050 21003	10K 1% 0,6W
R371	4822 050 21003	10K 1% 0,6W
R372	4822 050 25601	560R 1% 0,6W
R373	4822 050 21502	1,5K 1% 0,6W
R374	9965 000 12515	2,2K 1/6W 5% CF
R375	9965 000 12519	1K 1/6W 5% CF
R376	4822 050 21003	10K 1% 0,6W
R377	4822 050 23303	33K 1% 0,6W
R378	4822 050 23303	33K 1% 0,6W
R379	9965 000 14201	100R 1/4W 5% CF
R380	4822 050 21003	10K 1% 0,6W
R381	9965 000 12628	82K 1/6W 5%
R382	9965 000 09729	820R 1/6W 5% CF
R383	4822 050 21001	100R 1% 0,6W
R384	9965 000 12519	1K 1/6W 5% CF
R401	9965 000 12631	180K 1/6W 5%
R402	4822 050 21003	10K 1% 0,6W
R403	9965 000 08285	18K 1/6W 5% CF
R404	4822 050 21504	150K 1% 0,6W
R405	9965 000 09724	3,9K 1/6W 5% CF
R406	9965 000 08285	18K 1/6W 5% CF
R407	9965 000 09725	4,7K 1/6W 5% CF
R410	4822 050 21001	100R 1% 0,6W
R411	4822 050 21001	100R 1% 0,6W
R501	9965 000 08285	18K 1/6W 5% CF
R502	9965 000 12519	1K 1/6W 5% CF
R505	9965 000 09725	4,7K 1/6W 5% CF
R506	9965 000 14307	39K 1/6W 5% CF
R507	9965 000 12561	200K 1/6W 5% CF
R508	9965 000 12626	1M 1/6W 5%
R509	4822 050 21003	10K 1% 0,6W
R510	4822 050 24703	47K 1% 0,6W
R511	9965 000 12626	1M 1/6W 5%
R512	4822 050 22203	22K 1% 0,6W
R513	9965 000 12519	1K 1/6W 5% CF
R514	9965 000 14308	120R 1/6W 5% CF
R515	4822 050 21003	10K 1% 0,6W
R516	4822 050 21003	10K 1% 0,6W
R517	4822 050 22203	22K 1% 0,6W
R518	4822 050 25601	560R 1% 0,6W
R519	4822 050 21003	10K 1% 0,6W
R520	4822 050 24703	47K 1% 0,6W
R521	4822 050 22203	22K 1% 0,6W
R522	4822 050 23303	33K 1% 0,6W
R523	4822 050 21003	10K 1% 0,6W
R524	4822 116 81753	4,7R 5% 0,5W
R525	4822 050 22203	22K 1% 0,6W
R526	4822 050 21003	10K 1% 0,6W
R902	9965 000 09718	1K 2W 5% METAL FIL
R903	9965 000 09718	1K 2W 5% METAL FIL
R904	9965 000 09725	4,7K 1/6W 5% CF
R905	9965 000 09725	4,7K 1/6W 5% CF

DIODES

D301	4822 130 30621	1N4148
D302	4822 130 30621	1N4148
D303	4822 130 30621	1N4148
D304	4822 130 31438	1N4001G
D305	4822 130 30621	1N4148
D306	4822 130 30621	1N4148
D501	4822 130 30621	1N4148
DB901	4822 130 70035	RS402L
LD501A	9965 000 14305	LED GREEN/ORANGE
ZD301	9965 000 12635	ZENER 9,1-9,5V 0,5W
ZD901	4822 130 34281	BZX79-B15
ZD902	4822 130 34281	BZX79-B15

TRANSISTORS & INTEGRATED CIRCUITS

IC301	4822 209 83631	NJM4558DD
IC401	4822 209 80587	LM324N
IC501	9965 000 14304	TDA7293
IC502	4822 209 83631	NJM4558DD
Q301	4822 130 41198	2SC945P
Q302	4822 130 41198	2SC945P
Q303	4822 130 41198	2SC945P
Q304	4822 130 41198	2SC945P
Q305	4822 130 41198	2SC945P
Q306	4822 130 41198	2SC945P
Q501	4822 130 41198	2SC945P
Q502	4822 130 41198	2SC945P

Note: Only the parts mentioned in this list are normal service spare parts.

POWER & VR BOARD

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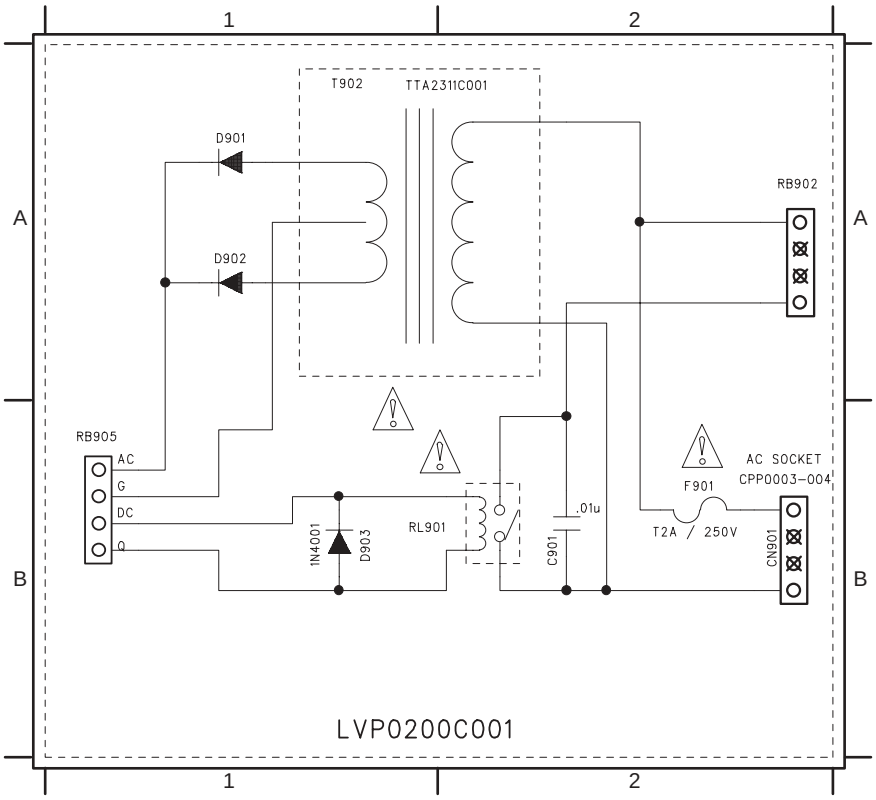
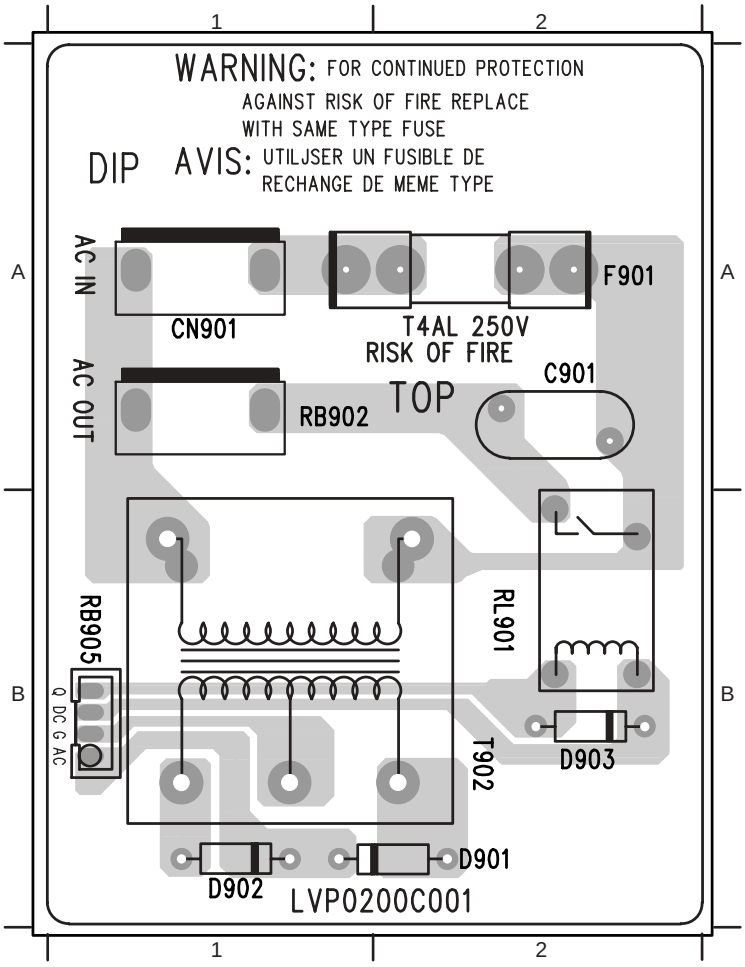
VR PCB schematic and Layout View 5-3
Electrical Parts List 5-4

POWER SCHEMATIC DIAGRAM



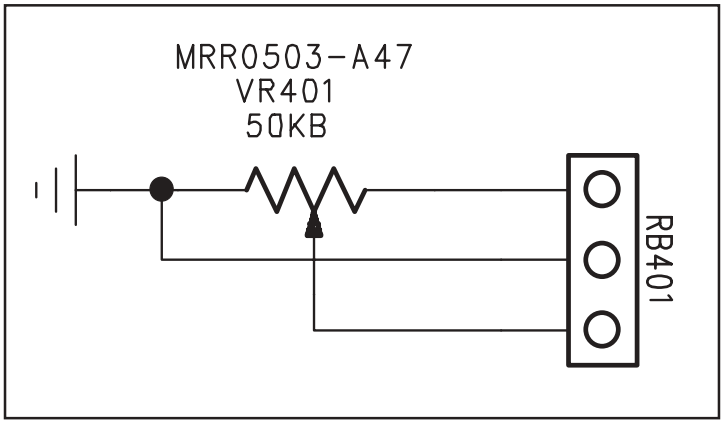
C901	B2
CN901	B2
D901	A1
D902	A1
D903	B1
F901	B2
RB902	A2
RB905	B1
RL901	B1
T902	A1

POWER PCB LAYOUT VIEW



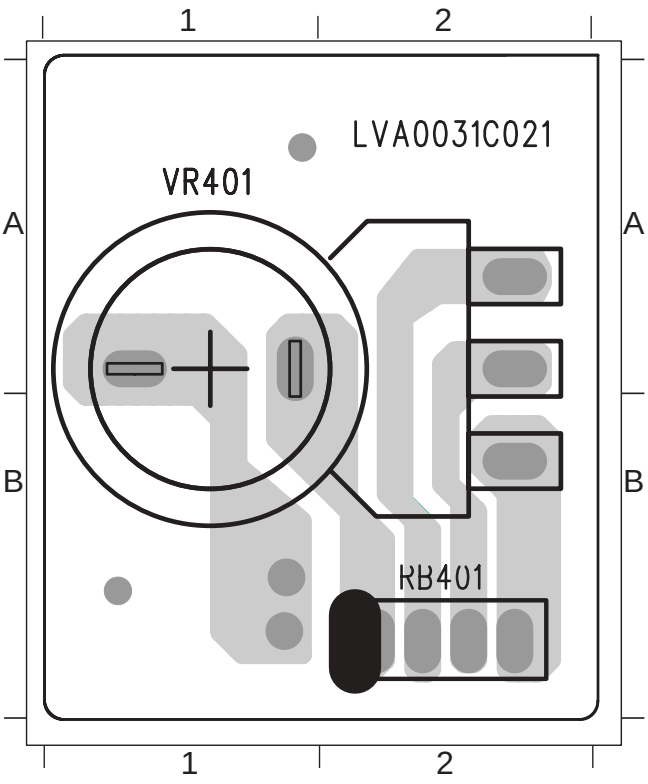
C901	A2
CN901	A1
D901	B2
D902	B1
D903	B2
F901	A2
RB902	B1
RB905	B1
RL901	B2
T902	B2

VR SCHEMATIC DIAGRAM



RB401 A1
VR401 A1

VR PCB LAYOUT VIEW



RB401 A2
VR401 A1

ELECTRICAL PARTS LIST - POWER & VR BOARD

MISCELLANEOUS

CN901	9965 000 12636		CONNECTOR 4 PIN P=3,96MM	
F901	9965 000 12638	⚠	FUSE T2A 250V SLOW	/00S
F901	9965 000 14309	⚠	FUSE T2A 250V SLOW	/17S
RB902	9965 000 12636		CONNECTOR 4 PIN P=3,96MM	
RL901	9965 000 09708	⚠	RELAY GJ-SH-112DM 320R	
T902	9965 000 12603	⚠	TRANSFORMER 230V 50HZ EI28	/00S
T902	9965 000 12602	⚠	TRANSFORMER 120V 60HZ EI28	/17S

CAPACITORS

C901	9965 000 12604	0,01uF 20%	

RESISTORS

VR401	9965 000 14314	CONTROL ROTARY 50KB	/00S
VR401	9965 000 14310	CONTROL ROTARY 50KB	/17S

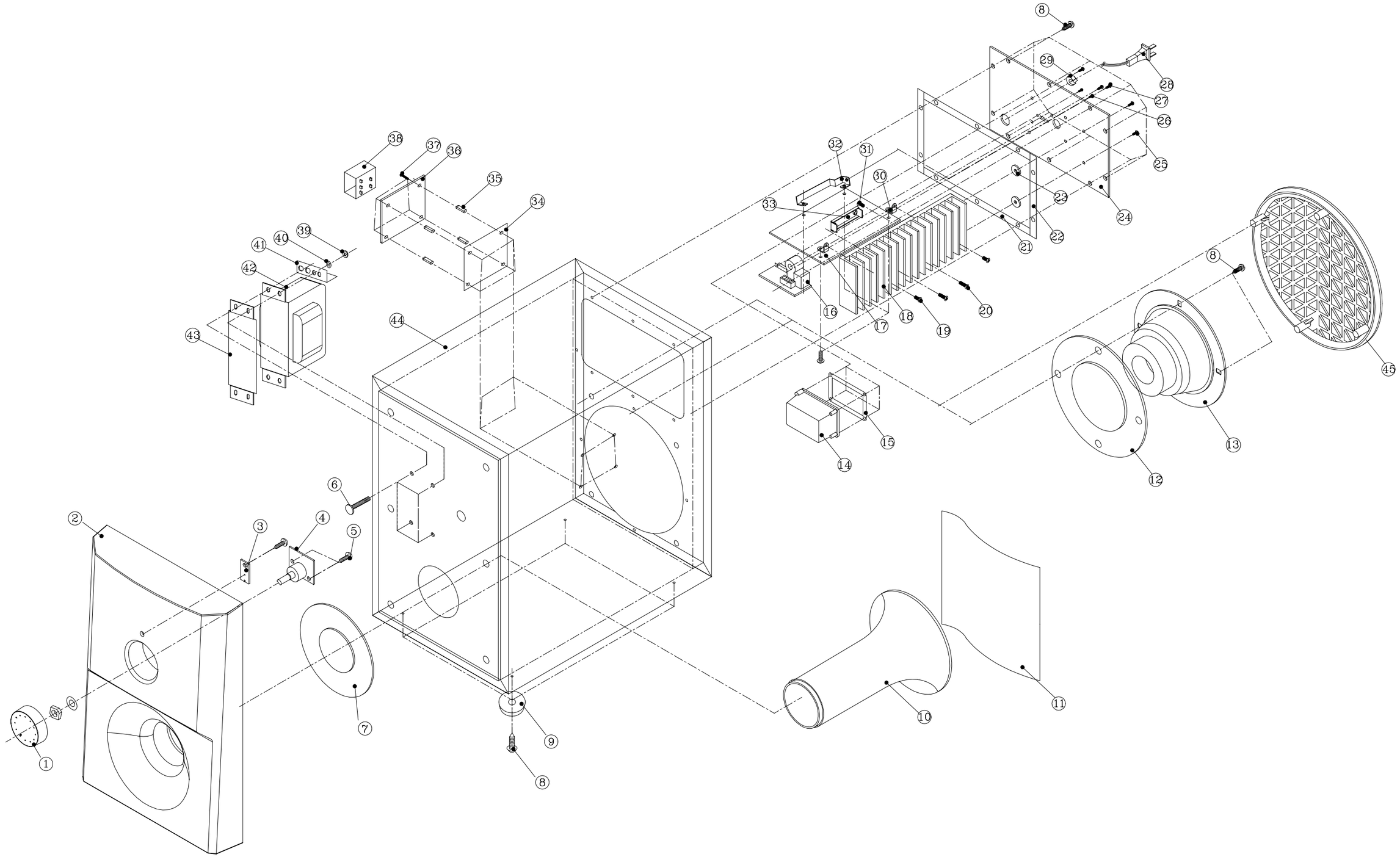
DIODES

D901	4822 130 31438	1N4001G
D902	4822 130 31438	1N4001G
D903	4822 130 31438	1N4001G

Note: Only the parts mentioned in this list are normal service spare parts.

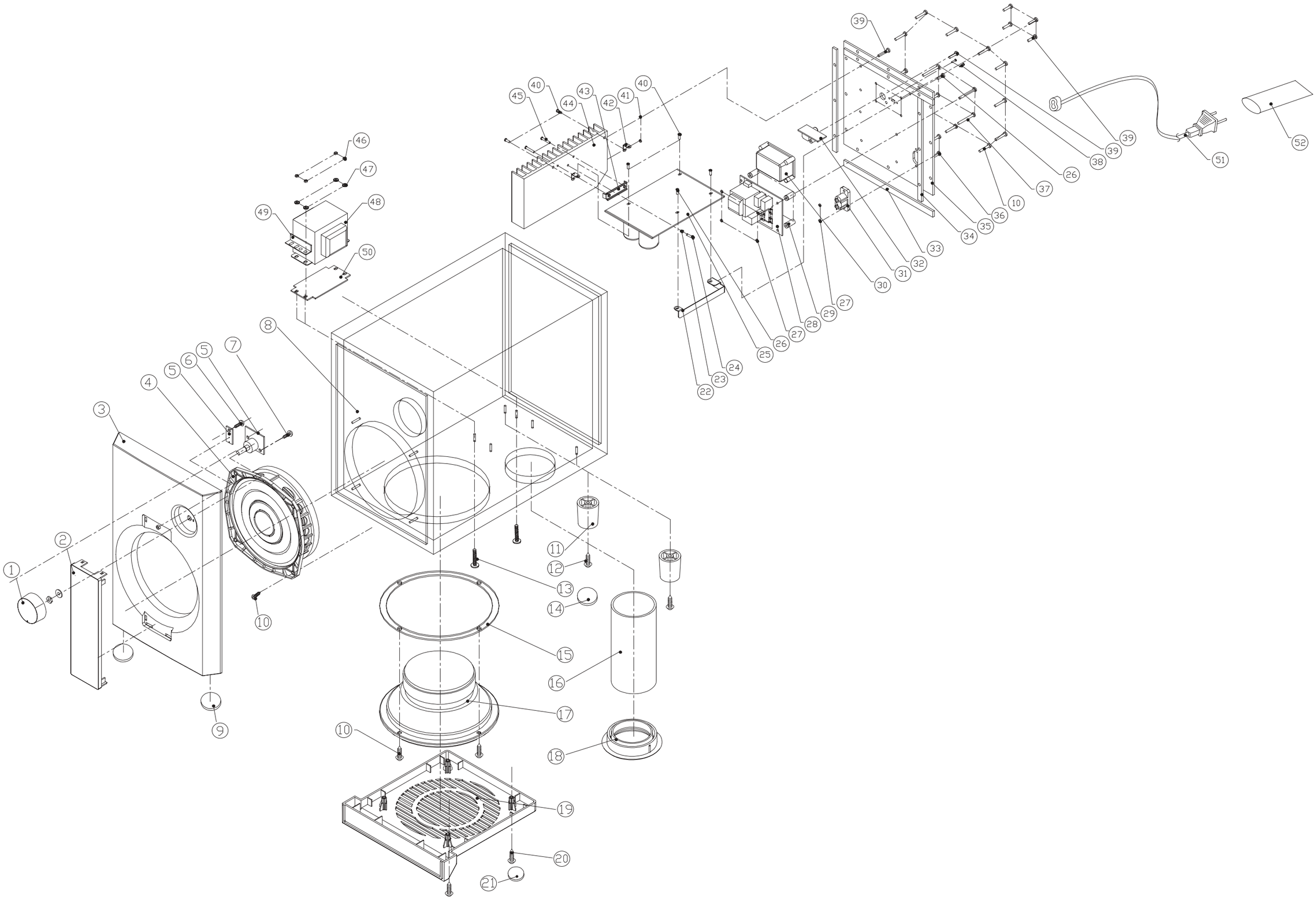
6-1

SW3700 Exploded Drawing



6-2

SW3800 Exploded Drawing



FOR SW3700/17S ONLY

MECHANICAL PARTS LIST

1	9965 000 14284		VOLUME KNOB
2	9965 000 14285		FRONT CAB
9	9965 000 03360		FOOT
10	9965 000 14295		PORT
11	9965 000 03365		CLOTH (185 X 185MM)
12	4822 532 13065		WASHER
13	9965 000 08278		SPEAKER DRIVER 100W 6,5 4OHM
28	9965 000 14296	⚠	MAINS CORD /17S
29	9965 000 07092		BUSHING
42	9965 000 14297	⚠	POWER TRANSFORMER
45	4822 458 10658		SPEAKER GRILLE

Note: Only the parts mentioned in this list are normal service spare parts.

SCREW LIST

5	D3 x 6
6	M4 x 25
8	D3,5 x 14
19	D3 x 8
20	M3 x 14
25	D3 x 10
26	M2 x 6
27	D3 x 8
31	D3 x 10
37	D3 x 22

FOR SW3800/00S ONLY

MECHANICAL PARTS LIST

1	9965 000 12141		VOLUME KNOB
2	9965 000 12142		BAR TRIM (LENS)
3	9965 000 14312		FRONT CABINET
4	9965 000 12144		WOOX SPEAKER
9	9965 000 09700		FOOT
14	9965 000 09702		RUBBER PAD
15	4822 532 13065		WASHER
17	9965 000 08278		SPEAKER DRIVER 100W 6,5" 4OHM
31	9965 000 12443	⚠	MAINS SOCKET
48	9965 000 14313	⚠	POWER TRANSFORMER
51	9965 000 12820	⚠	MAINS CORD

Note: Only the parts mentioned in this list are normal service spare parts.

SCREW LIST

6	D3 x 6
7	D3 x 8
10	D3,5 x 16
12	D4 x 28
13	M4 x 25
20	D3,5 x 28
24	D3 x 10
26	D3 x 8
36	M3 x 12
37	M3 x 22
38	M2 x 6
39	D3 x 10
40	M3 x 8
45	M3 x 14